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**ENDOSCOPE**

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**Abstract of JP10146313**

**PROBLEM TO BE SOLVED:** To improve durability and sliding performance of an endoscope inserting part by constituting a flexible tube to constitute the endoscope inserting part out of a metallic net-like tube arranged on the outermost layer, a resin tube arranged on the inner peripheral surface side of this metallic net like tube and a metallic spiral tube arranged on the inner peripheral surface side of the resin tube. **SOLUTION:** A flexible tube 10 to constitute a flexible part 4 of an endoscope inserting part is constituted of a three-layer structure of a metallic spiral tube 11 by forming a metallic belt-like member in a spiral shape so as to become a prescribed interval, a flexible soft resin tube 12 which covers an outer periphery of this metallic spiral tube 11 and is made of a synthetic resin and a metallic net-like tube 13 formed by braiding a plurality of stranded wires which cover an outer periphery of this resin tube 12 and are composed of metallic fine lines of stainless steel and phosphor bronze or the like to constitute the outermost layer. In this way, since the metallic net-like tube 13 is arranged on the outermost layer of the endoscope inserting part, rubbing strength is improved, and frictional resistance of piping and the metallic net like tube 13 is reduced, and inserting performance is improved.

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